1: Hart & Pilling E-5 (1928-1954) 1960
OI20 Tiwi OI20

in the party who carried only ordinary ones. The painted spears were symbols of wealth and status and roughly corresponded to white tie and tails in our culture. No important man could afford not to have them, even though for most of the year they were unused. Before leaving home on a journey, it was often necessary for a man to renew the paint on his spears, for it rubbed off easily. Since paint was an aspect of ritual, its use, even the renewal of old paint, was senior men's prerogative; women were not supposed to touch it.[8] The analogy with formal dress even extended to the borrowing of ceremonial spears. An important man, caught short of them, might borrow some from a contemporary who had plenty, and though everybody would know that his spears were borrowed, he at least was properly dressed for the occasion, though stark naked otherwise.

Baskets made of bark with gummed sides were made by the women, but the painted designs upon these baskets were applied by the men, in line with their monopoly on all work that required paint. These baskets of various sizes but little variation in shape were used for all domestic tasks involving the collection, storing, transporting, and preparing of vegetable foods, and were sufficiently watertight to enable water also to be carried in them. Ordinary wooden spears (without barbs or painted designs) and a great variety of throwing sticks were made by all men, young or old, but important old men bothered with them very little, considering such routine manufacture beneath them. These workaday spears and throwing sticks lay around every camp in abundance, and a man who needed spears or sticks in a hurry could always gather up a bundle in a few minutes. Small boys picked up the techniques of making spears and throwing sticks by spending time with older boys who in turn improved their skill both in making and using hunting weapons by spending time with the local young men.

Although much of this learning was fairly random, other instruction was not. During his initiation period a youth spent long intervals isolated in the bush with a couple of older teachers from whom he received training in religious and ritual matters. At the same time, of course, it was inevitable that the novice absorb some of the older men's experience in bushcraft. There was no corresponding initiation period for girls. What they learned, they learned first from the older women of their childhood household and later from the older women of the husband's household into which they moved as child-brides after puberty. In all households the supervision by the elderly women of all younger women included the training of both female children and young wives in the things all females should know—things which were mostly concerned with collecting and preparing vegetable foods and the making of baskets.

In pre-white times Tiwi males wore no clothing whatever. The Mission insisted on calico loincloths, but, at least in the 1928-29 period, one could

[8] Female mourners were required to daub their bodies with white clay as a sign of mourning, but this paint was smeared haphazardly over their bodies and faces without any attempt at regularity or design, in contrast to the careful paint designs on the men's bodies.

2: Mountford E-5 (1954) 1958
OI20 Tiwi OI20

531 decorate a burial pole; and others, Pl. 2D, Pl. 10C, and Pl. 11A, similar to those he would paint on the ceremonial baskets.

I did not see or hear of figures being made in bark (Mountford, 1956, p. 443, fig. 65C, D); moulded in wax (Elkin and the Berndts, 1950, Pl. 21, Mountford, 1956, Pl. 143) or in the sands of the sea-shore (Mountford, 1956, p. 404, Pl. 91C, D), as is done in north-eastern Arnhem Land. Nevertheless, [532] the men did carve large burial poles in the form of human beings and smaller full-length figures, associated with the *pukamuni* ceremonies. These figures bore some small resemblance to those recorded from north-eastern Arnhem Land (Berndt, 1948, Figs. A, B, Pls. 1, 2; Mountford, 1956, Pls. 130–40).

3. TECHNIQUES

●386 (*a*) COLOURS. The pigments used for the decoration of the burial poles and the production of the bark paintings, were red, yellow and white ochres. As there was no suitable black pigment on the islands, the artists used crushed charcoal in its place.

[317] The source of the best ochres is a pit at Imilu on Cape Van Diemen (Fig. 1). This ochre, called *imilu*, is a bright yellow when collected,[7] but, when heated in the fire, it changes to a clear red. A soft white stone is common along the beaches. The ochres are not ground on a stone, as on the mainland (Mountford, 1956, p. 11), but, being friable, are crushed and mixed in a large cockle shell with water and fixative.

The aborigines often spoke of a superior ochre at Numanira, northern Melville Island (Fig. 1), which could be gathered only at low tide. I did not see any of this ochre in use.

(*b*) FIXATIVES. Three different types of fixative are used to ensure that the painted designs, both on the poles and the baskets, were as permanent as [314] possible. They were: the sticky gelatinous sap of one of the tree orchids (*Dendrobium* sp.); the wax and honey of the wild bee, well mixed together; [237] and the yolks of the eggs of the sea-going turtle. The fixative was either mixed with the pigments or rubbed on the painting surface.

412 (*c*) BRUSHES. Simple brushes, made of strips of bark of varying widths, square across the bottom, chewed at one end, and held as in Fig. 2A and 2C, were used for the bulk of the work.[8] For making the dots, however, the artists used a

[423] [7] There did not appear to be any restriction on the gathering of this ochre; any aboriginal could go to Imilu and take as much as he wished.

[171] [8] The long flexible brush of the aborigines of Arnhem Land (Mountford, 1956, p. 12, fig. 3), was not used at Melville Island, although the bark brush (Fig. 2B) was often held in a similar manner.

2: Mountford E-5 (1954) 1958
OI20 Tiwi OI20

border, the muddy floor. The other black rectangles, *p*, *p*, etc., indicate rocks in the sea, and their lighter-coloured borders, the waves breaking over them. 532x 778

The Eucalyptus-tree woman, Matingalia, at Putawini

A eucalyptus-tree woman *Matingalia* created a rocky island of the same name at the mouth of Putawini Creek, western Bathurst Island. I was not able to gather further details of the mythical story. 773

The central vertical panel *a*, of Pl. 162, is the open sea, and the outer surrounding white rectangle, *b*, *b*, the dry land of the island. Small hills are at *b*, *b* (top), a large hill is at *a* (top); and deposits of red ochre, *m*, *m*, etc., also form part of the island. 532x 778

A small branch of the Putawini Creek is indicated by the white band at *b*; another branch, Piriki, at *c*; another near Pintamu, at *d*; and still another (unnamed) at *f*, *f*. Timininchu and Dunkunaru Creeks (unidentified) are at *g*, *g*, and *e*, respectively. The eggs of a crocodile, *kukupiangu*, similar to those of *Jirukupui*, the dangerous, sea-going *Crocodilus porosus*, are indicated by the white discs, *n*, *n*, etc. [825]

The Bush-fire woman, Puruliangkala, at Turiturina Island

The totemic place of the woman of the bush-fires, *Puruliangkala*, is on Turiturina Island, in Port Hurd, western Bathurst Island, where the mythical bird-man and later the *Ninguis* performed the first *kulama* ceremonies (p. 123). 778 [773]

The central white circle on Pl. 160, is Turiturina Island: the smaller circles, *a*, *a*, are low rocks in the sea, once the camp-fires of *Puruliangkala*; and *b*, *b*, freshwater springs that provided her with water. The black circles, *c*, *c*, etc., are deposits of red ochre, and *d*, *d*, *d*, etc., deposits of white ochre, used by both the mythical woman and the *Ninguis* to decorate themselves for their ceremonies during *palaweri* times. 532x 778

At *e*, *e*, etc., are many milkwood trees, the sap of which, like the ochre deposits, was also utilized by both *Puruliangkala* and the *Ninguis* for body decorations. This sap is still used in the opening rituals of the *kulama* (p. 131). The dots are white fruits, *mandikama*, which *Puruliangkala* created for food. [824] [386]

The Sand-fly woman, Mandukula, at Murninini

Mandukula, the sand-fly woman, established the totemic place of Murninini, south-western Bathurst Island. 773 778

2: Mountford E-5 (1954) 1958
OI20 Tiwi OI20

765 and the hardest and most durable timber available, spared no pains to make the best poles they could.[6]

×532 765 When the "workers" had finished shaping the poles they notified the leader of the *pukamuni* ceremony, who then gave the order for the poles to be scorched over a fire of blazing leaves to make a black ground on which to paint the design (Mountford, 1956, p. 427). Then, setting up the poles in a double row near the grave (Mountford, 1956, p. 426), the men began their task of decoration (Pl. 33B, D). At the same time, the ceremonial leader sent message sticks (p. 98) to notify the outlying groups that the final rituals were about to start.

386 The materials used for decoration were: red and yellow ochres from Imilu, Cape Van Diemen, a white ochre from a beach nearby, crushed charcoal for black, one of three types of fixatives, i.e., the white of turtle eggs, wild honey and beeswax mixed together, and the particularly gelatinous sap of one of the tree orchids.

The ochres were crushed, mixed with water and one or more of the fixatives, and applied to the poles with brushes made from chewed strips of bark or vines (Fig. 2).

517 ×532 As I watched these primitive artists at work, I was impressed with the care they took in the arranging of their simple patterns, and with the obvious pleasure they experienced in their work. A quiet air of contentment pervaded the outdoor studio as each of the ten artists made his own pole as beautiful as possible.

Each artist appeared to be certain as to the designs he would use; there was no evidence of copying; in fact, *Pulanimbuwi* showed me the rough draft of the designs of his pole (Pl. 35A, B, Fig. 9), scratched on the back of a cigarette tin, days before he had even felled the tree.

×532 765 A puzzling aspect of the *pukamuni* poles is the wide variety of the painted designs used, and the almost total absence in those designs of any reference to the myths and totemic localities.[6]

At first sight it would appear that the pole shapes, collected by both Fry and myself, were inventions of the moment. An analysis of the poles

174 412 322 have simpler shapes than at the present time, although Campbell (1834, p. 158) speaks about "poles with tops like lances and halberts". The aborigines may have used fire to assist in the shaping of the poles, in fact, this is suggested by Klaatsch (1907, p. 587).

[6] Not far from our camp was the deserted grave of the father of *Muramajua* (Pl. 32D), who died when his son was an infant. *Muramajua* was then over forty years old, yet the poles, although somewhat eroded and disarranged by the elements, are still in a fair state of preservation.

[177] [6] This and old *Tjamalampua's* statement, p. 109, could indicate that the poles and their designs are a recent cultural trait that is not yet fully absorbed into the culture.

2: Mountford E-5 (1954) 1958
OI20 Tiwi OI20

On the morning of the appointed day, the women went into the jungle, dug up a large number of both species of yams, brought them back to camp, and prepared them for cooking.

In the meantime, the male and female *Marukumuni* initiates had been sent to an appointed place in the jungle and told to wait until some of the *Mikingulas* visited them in the late afternoon. In the meantime other fully initiated men were painting the *Wadjeniati* initiates with a new body design (Pl. 42E).

In the late afternoon some members of the *kulama* party went to the place where the *Marukumuni* initiates were hiding, painted them black (Pl. 42E), and put new cockatoo feathers in their hair. While this was being done the male initiates pulled out their pubic hairs, and calling out "Booh-booh", threw them in all directions. When the decorations were complete, each initiate singed the hair from his legs but not his face, head or arms.[83] It is believed that this *Marukumuni* ritual assists in creating more thunderstorms and so prolonging the wet season.

Meanwhile, the remainder of the higher grades of the *kulama*, the *Mikingulas*, the *Mikiatarimas* and the *Mikintaras* with their female counterparts, went into the forest and, cutting the bark of the milk-wood tree (*Alstonia* sp.) used the white sap to paint their shoulders and faces, and to make a line down the centre of their abdomens. The men also put thick sap on their beards, which made them stand out stiffly around their faces.[84]

By the time the *Marukumuni* initiates had been decorated, brought back to camp and seated behind a low screen of boughs, the edible yams were cooked and ready for eating.

The leader, taking one of the *juruguni* and one of the *karawani* yams, bit a small portion from each, chewed it up and spat it in all directions. His actions were repeated by all the fully initiated people. The aborigines believe that the portions of chewed-up yam make the *mopaditis* so sick (they are always present to watch the *kulama* rituals), that they leave the locality. All the *kulama* people, with the exception of the *Marukumuni* and *Wadjeniati* initiates then sat down to a meal of the edible yams.

The male initiates of the *Marukumuni* and *Wadjeniati* grades were given their food by the female initiates of their grade in the same manner as a *pukamuni* man, i.e., the food was placed in their mouths, it must not touch any part of their body. If this taboo were broken, the *mopaditis* would make them ill.

[83] The female initiates do not carry out this ritual.

[84] Spencer, 1928, p. 660, Pl. 463, who refers to this phase in his description of the *kulama* illustrates the decorated man.

5: Basedow D-5 (1911)1913 OI20 Tiwi OI20

level, further material has been cut away to reduce its thickness by about 1 centimetre all round. The top portion, which has the appearance of a knob, has been daubed with red ochre; the sunken portion, immediately beneath, is white (*vide* Plate XVII, Fig. 2). The lower surface of the post bears five vertical bands, three being of white pipe-clay and two of yellow ochre. Two of the former have a border of red, the third one of yellow; and both of the latter (yellow) are bordered with white. Three of the intervening spaces are shaded with inclined lines of white, the remaining two are each filled with a vertical row of white cricoid figures. The original surface upon which the pattern was drawn is charred.

Having persuaded the natives to repaint the designs on the tomb-posts, in places where they were defective or missing, they set about the work with enthusiasm and did not rest until they had repainted the whole of the surfaces. To accomplish this they leaned the posts against trees and divided themselves into small groups of two to four, each of which undertook part of the work (*vide* Plate XVI, Figs. 1 and 2). Youths were sent to the main camp, whence they soon after returned with lumps of red and yellow ochre and white pipe-clay (*vide* Plate XV, Fig. 2). From these they broke off small pieces and crushed them by hand in the strong concave shells of the bivalve mollusc *Cyrena essingtonensis*.[1] To this crumbled pigment sufficient water was added to make a thick paint, more water being added from time to time as required. One might look upon these shells containing the mixed paint as representing primitive palettes (*vide* Plate XV, Fig. 1). The paint is applied to the surface by means of crudely made, yet effective, brushes. Short pieces of the creeping calamus are cut with the sharp edge of a shell and one or both of their ends chewed until all the fibres have become separated (*vide* Plate XV, Fig. 3); much in the same way as the flower-stalks of the fan-palm are chewed when feeding on honey (*vide* p. 300). Both of these small artists' requisites are highly interesting inasmuch as they show us a decidedly primitive, yet to the present day practically unaltered stage in the evolution of art.

It is evident that the posts have been cut and carved with a sharp bladed instrument, in all probability a tomahawk. Captain Flinders[2] as far back as 1803 noticed that the natives on the north coast (Caledon Bay) were familiar with the use of iron instruments and that they tried to steal his axes. He, therefore, suspected that "they had been previously visited by people possessing iron instruments." Later, he was himself able to confirm this supposition when he discovered, near to Cape Wilberforce, a fleet of proas from Macassar, the crew of which were in the habit of visiting the north coast of Australia to collect trepang, which they took to Timor and sold to the Chinese.[2]

[1] We have before us an interesting analogy, when we recollect that in our own country the shells of fresh-water mussels were, in former days, much used and are still used as a receptacle for mixing water-colours; whence also the name *Unio pictorum*.

[2] *A Voyage to Terra Australis*, London, 1814, vol. ii, pp. 213 and 228–231.

5: Basedow D-5 (1911)1913 OI20 Tiwi OI20

PLATE X.

501 Fig. 1. "Fish-tail" bark canoes, Apsley Strait.
Fig. 2. "Fish-tail" bark canoes and "dug-out" canoe in the distance, Apsley Strait. Melville Island in the background.

PLATE XI.

Figs. 1 and 2. Bow and stern of "fish-tail" bark canoe. $\frac{1}{10}$ natural size.
Figs. 3 and 4. Balers made out of the melon shell. Fig. 3 shows the painted decoration of the outer surface; while in Fig. 4 it is seen how the columella of the shell has been removed with a sharp cutting instrument. $\frac{1}{4}$ natural size.

PLATE XII.

314 396 137 Fig. 1. Forest scene on Bathurst Island. From the stringy-barked eucalyptus on the left side of the picture, the bark has been removed for the purpose of making a canoe. Another tree, which has been similarly treated, is seen in the background, near the centre of the picture. In the foreground note a tall specimen of the zamia-palm (*Cycas media*).
501 Fig. 2. Various types of paddles in use on Bathurst Island. About $\frac{1}{10}$ natural size.

PLATE XIII.

764 Figs. 1 and 2. Distant and near view of a native grave, surrounded by five carved and painted posts, Bathurst Island. Note the cleared space and the position of grave, viz.: at the junction between open woodland and scrub. A tall Bathurst Islander in seen in Fig. 2.

PLATE XIV.

415 Fig. 1. A melon-shell (*Melo diadema*) used as a drinking vessel. $\frac{1}{4}$ natural size.
Fig. 2. A *Fusus priesi* used as a drinking vessel. $\frac{1}{4}$ natural size.
Figs. 3 and 4. Drinking cups made out of folded sheets of paper-bark (*Melaleuca*). $\frac{1}{4}$ natural size.
532 764 Figs. 5a, 5b, 5c, 5d, 5e. Painted and carved posts of native grave shown in previous plate. $\frac{1}{4}$ natural size.

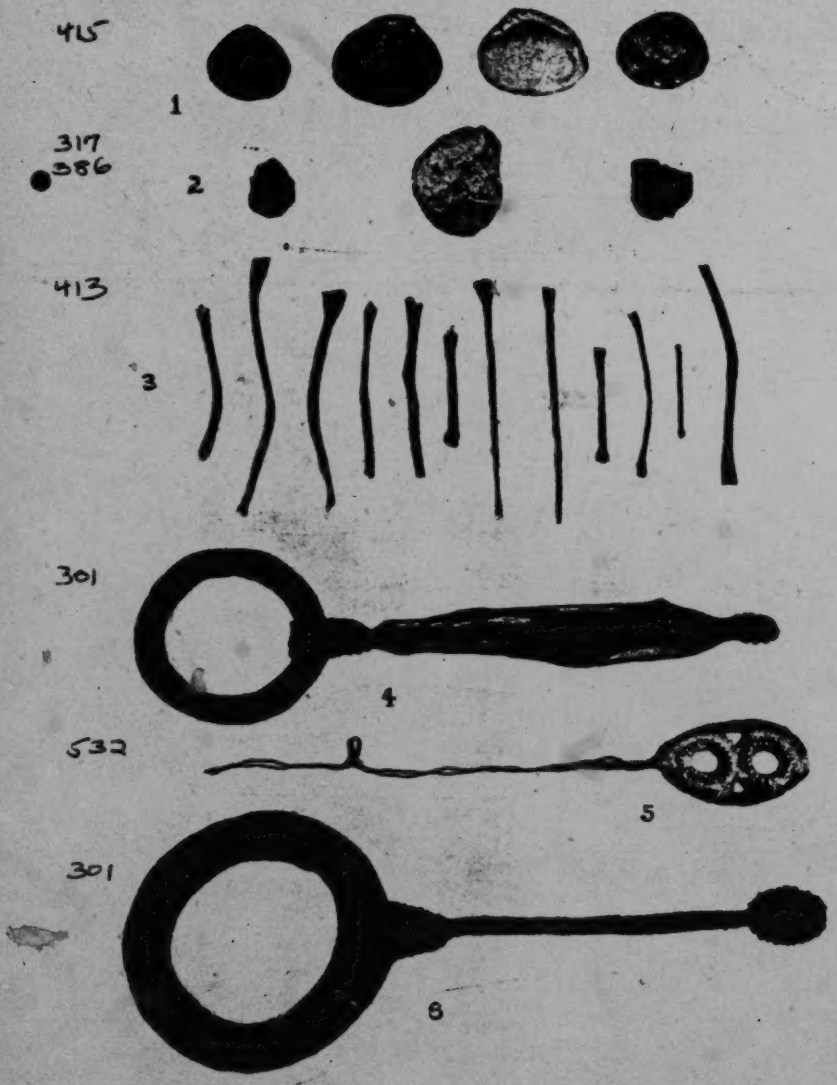
PLATE XV.

415 Fig. 1. A series of four shells of the *Cyrena assingtonensis* which have been used for holding red, white and yellow earth-pigments to mix with water as required. $\frac{1}{4}$ natural size.
317 386 Fig. 2. Lumps of yellow ochre (on the left), white pipe-clay (in the centre), and red ochre (on the right), used in the decoration of the grave posts shown in previous plate. $\frac{1}{4}$ natural size.
413 Fig. 3. Primitive paint brushes made by macerating the ends of short pieces of the shoots of the climbing palm (*Calamus australis*). $\frac{1}{4}$ natural size.
301 Figs. 4 and 6. Special corrobboree arm-rings. $\frac{1}{4}$ natural size.
532 Fig. 5. A corrobboree mask (?). $\frac{1}{4}$ natural size.

PLATE XVI.

291 532 764 Figs. 1 and 2. Bathurst Island natives painting grave-posts. Note the cosmetic body-scars in imitation of the leaf of the zamia palm (*Cycas media*).

Journal of the Royal Anthropological Institute, Vol. XLIII, 1913, Plate XV.



NOTES ON THE NATIVES OF BATHURST ISLAND, NORTH AUSTRALIA.

[END PLATE 9]

[FOR EXPLANATION SEE P. 322— ANALYST]